

3. Reduce the following fraction to their lowest form:

$$(a) \frac{68}{136} = \frac{\overset{34}{\cancel{68}}}{\underset{68}{\cancel{136}}} = \frac{\overset{17}{\cancel{34}}}{\underset{34}{\cancel{68}}} = \frac{\overset{1}{\cancel{17}}}{\underset{2}{\cancel{34}}} = \frac{1}{2}$$

$$(b) \frac{102}{119} = \frac{102 \div 17}{119 \div 17} = \frac{6}{7}$$

$$(c) \frac{153}{204} = \frac{\overset{51}{\cancel{153}}}{\underset{63}{\cancel{204}}} = \frac{\overset{3}{\cancel{51}}}{\underset{4}{\cancel{63}}} = \frac{3}{4}$$

$$(d) \frac{129}{243} = \frac{129 \div 3}{243 \div 3} = \frac{43}{81}$$

$$(e) \frac{154}{238} = \frac{\overset{17}{\cancel{154}}}{\underset{119}{\cancel{238}}} = \frac{\overset{11}{\cancel{17}}}{\underset{12}{\cancel{119}}} = \frac{11}{12}$$

$$(f) \frac{198}{297} = \frac{198 \div 9}{297 \div 9} = \frac{22 \div 11}{33 \div 11} = \frac{2}{3}$$

$$(g) \frac{117}{189} = \frac{117 \div 9}{189 \div 9} = \frac{13}{21}$$

$$(h) \frac{304}{368} = \frac{304 \div 4}{368 \div 4} = \frac{76 \div 4}{92 \div 4} = \frac{19}{23}$$

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9. Tick (✓) the fractions which are proper fractions:

~~(a)~~ $\frac{13}{16}$ (b) $\frac{8}{7}$ (c) $\frac{17}{8}$ ~~(d)~~ $\frac{23}{23}$ (e) $\frac{38}{4}$

~~(f)~~ $\frac{48}{50}$ (g) $\frac{29}{21}$ ~~(h)~~ $\frac{1}{7}$ (i) $\frac{45}{9}$ ~~(j)~~ $\frac{63}{65}$